

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

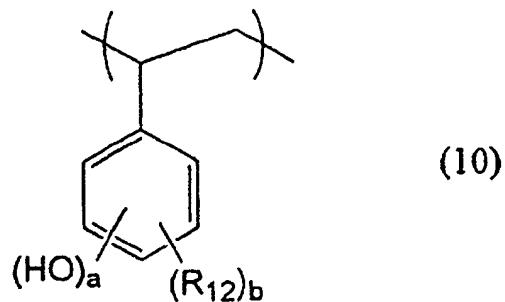
Listing of Claims:

1. (Canceled)

2. (Previously Presented) The radiation-sensitive resin composition according to Claim 19, wherein the photoacid generator (B) is at least one compound selected from the group consisting of onium salt compounds, sulfone compounds, sulfonate compounds, sulfonimide compounds, diazomethane compounds, disulfonylmethane compounds, and oximesulfonate compounds.

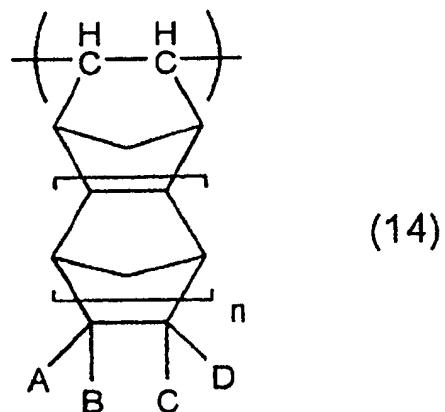
3. (Previously Presented) The radiation-sensitive resin composition according to Claim 18, wherein the photoacid generator (B) is at least one compound selected from the group consisting of onium salt compounds and oximesulfonate compounds.

4. (Previously Presented) The radiation-sensitive resin composition according to claim 16, wherein the resin (C-a) protected by an acid-dissociable group, insoluble or scarcely soluble in alkali, but becoming soluble in alkali when the acid-dissociable group dissociates comprises a recurring unit of the following formula (10),



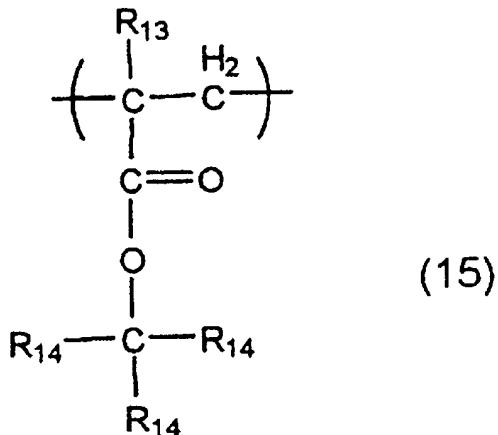
wherein R_{12} represents a hydrogen atom or monovalent organic group and a and b indicates a natural number from 1 to 3.

5. (Previously Presented) The radiation-sensitive resin composition according to claim 16, wherein the resin (C-a) protected by an acid-dissociable group, insoluble or scarcely soluble in alkali, but becoming soluble in alkali when the acid-dissociable group dissociates, comprises at least one of the recurring units of the following formulas (14) or (15),



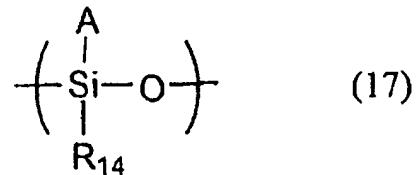
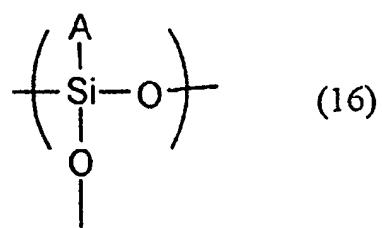
wherein A and B individually represent a hydrogen atom or an acid-dissociable group, at least one of A and B being an acid-dissociable group, D and E individually

represent a hydrogen atom or a linear or branched monovalent alkyl group having 1-4 carbon atoms, and n is an integer of 0 to 2, or



wherein R₁₃ represents a hydrogen atom or methyl group and R₁₄ individually represents a linear or branched alkyl group having 1-4 carbon atoms or a substituted or unsubstituted monovalent alicyclic hydrocarbon group having 4-20 carbon atoms, or any two of R₁₄ groups form, in combination with the carbon atom to which the two R₁₄ groups bond, a divalent alicyclic hydrocarbon group having 4-20 carbon atoms, with the remaining R₁₄ group being a linear or branched alkyl group having 1-4 carbon atoms or a substituted or unsubstituted monovalent alicyclic hydrocarbon group having 4-20 carbon atoms.

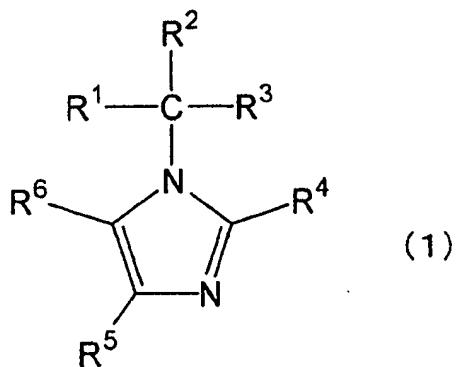
6. (Previously Presented) The radiation-sensitive resin composition according to claim 16, wherein the resin (C-a) protected by an acid-dissociable group, insoluble or scarcely soluble in alkali, but becoming soluble in alkali when the acid-dissociable group dissociates, comprises at least one of the recurring units of the following formulas (16) or (17),



wherein A individually represents a monovalent organic group having an acid-dissociable group and R₁₄ represents a substituted or unsubstituted, linear, branched, or cyclic hydrocarbon group having 1-20 carbon atoms.

7. (Currently Amended) A negative tone radiation-sensitive resin composition comprising:

- (A) compound shown by the following formula (1),
- (B) a photoacid generator,
- (D) an alkali-soluble resin, and
- (E) a compound that can crosslink the alkali-soluble resin in the presence of an acid



wherein R¹, R², R³, R⁴, R⁵, and R⁶ individually represent a hydrogen atom, cyano group, substituted or unsubstituted alkyl group having 1-20 carbon atoms, substituted or

unsubstituted alicyclic group having 3-20 carbon atoms, substituted or unsubstituted alkenyl group having 2-20 carbon atoms, substituted or unsubstituted aryl group, or substituted or unsubstituted heteroaryl group, provided that any two groups selected from R¹, R², R³, R⁴, R⁵, and R⁶ may be bonded together to form a ring which may comprise a hetero atom or may bond together to form a dimer and further provided that at least one of the R¹, R², R³, R⁴, R⁵, and R⁶ groups is not a hydrogen atom.

8. (Original) The radiation-sensitive resin composition according to claim 7, wherein the photoacid generator (B) is at least one compound selected from the group consisting of onium salt compounds, sulfone compounds, sulfonate compounds, sulfonimide compounds, diazomethane compounds, disulfonylmethane compounds, and oximesulfonate compounds.

9. (Original) The radiation-sensitive resin composition according to claim 7, wherein the photoacid generator (B) is at least one compound selected from the group consisting of onium salt compounds and oximesulfonate compounds.

10. (Previously Presented) A positive tone radiation-sensitive resin composition comprising:

(A) a compound selected from the group consisting of: 1-cyclohexylimidazole; 1-phenylimidazole; 1-naphtylimidazole; 1-anthrylimidazole; 1-norbornylimidazole; 1-adamantylimidazole; 1-(2'-hydroxyethyl) imidazole; 1-(3'-hydroxy-n-butyl) imidazole; 1-methoxyimidazole; 1-(2'-methyl-n-propoxy)imidazole; 1-cyanoimidazole; 1-(2'-cyanomethyl) imidazole; 1-methoxycarbonylimidazole; 1-ethoxycarbonylethoxyimidazole; 1-trifluoromethylimidazole; 1,2,4-trimethylimidazole;

1, 2, 4, 5-tetramethylimidazole; 1,2-dihexylimidazole; 1-ethyl-2-cyclohexylimidazole; 1,2,4,5-tetracyclopentylimidazole; 1,2-dinaphthylimidazole; 1,2-dinorbornylimidazole; 1,2,4-tradamantylimidazole; 1,2, 4, 5-tetraethoxycarbonylimidazole; 1-cyano-2-methylimidazole; 1-ethyl-2-methoxyimidazole; l-(t-butoxycarbonylmethyl) imidazole; 1-(2',3'-dihydroxypropyl)-2-methylimidazole; and 1,3-di(2'-methyl-l'-imidazoylmethyl)benzene

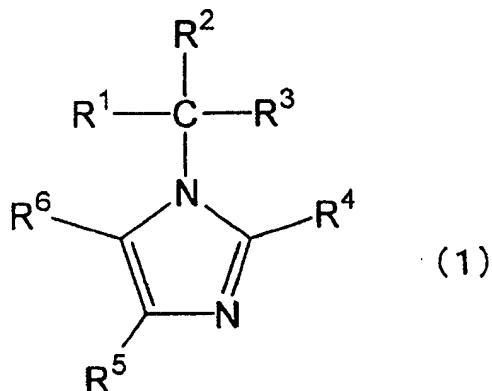
- (B) a photoacid generator, and
- (C) the following component (C-a) or (C-b),
 - (C-a) a resin protected by an acid-dissociable group, insoluble or scarcely soluble in alkali, but becoming soluble in alkali when the acid-dissociable group dissociates or
 - (C-b) an alkali-soluble resin and an alkali solubility controller.

11. (Previously Presented) The radiation-sensitive resin composition according to Claim 10, wherein the compound (A) is selected from the group consisting of: 1,2,4-trimethylimidazole; 1, 2, 4, 5-tetramethylimidazole; l-(t-butoxycarbonylmethyl)imidazole; 1-(2',3'-dihydroxypropyl)-2-methylimidazole; and 1,3-di(2'-methyl-l'-imidazoylmethyl)benzene.

12. (Previously Presented) A positive tone radiation-sensitive resin composition comprising:

- (A) compound shown by the following formula (1),
- (B) a photoacid generator, and
- (C) the following component (C-a) or (C-b),

(C-a) a resin protected by an acid-dissociable group, insoluble or scarcely soluble in alkali, but becoming soluble in alkali when the acid-dissociable group dissociates or
(C-b) an alkali-soluble resin and an alkali solubility controller,

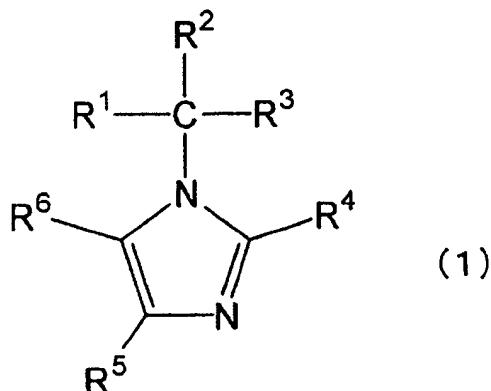


wherein R¹, R², R³, R⁴, R⁵, and R⁶ individually represent a hydrogen atom, cyano group, substituted or unsubstituted alkyl group having 1-20 carbon atoms, substituted or unsubstituted alicyclic group having 3-20 carbon atoms, substituted or un substituted alkenyl group having 2-20 carbon atoms, substituted or unsubstituted aryl group, or substituted or unsubstituted heteroaryl group, provided that any two groups selected from R¹, R², R³, R⁴, R⁵, and R⁶ may be bonded together to form a ring which may comprise a hetero atom or may bond together to form a dimer, wherein at least one of R⁵ and R⁶ are not a hydrogen atom.

13. (Currently Amended) A positive tone radiation-sensitive resin composition comprising:

- (A) compound shown by the following formula (1),
- (B) a photoacid generator, and
- (C) the following component (C-a) or (C-b),

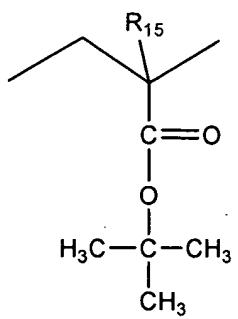
(C-a) a resin protected by an acid-dissociable group, insoluble or scarcely soluble in alkali, but becoming soluble in alkali when the acid-dissociable group dissociates or
(C-b) an alkali-soluble resin and an alkali solubility controller,



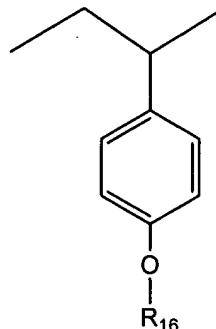
wherein R¹, R², R³, R⁵, and R⁶ individually represent a hydrogen atom, cyano group, substituted or unsubstituted alkyl group having 1-20 carbon atoms, substituted or unsubstituted alicyclic group having 3-20 carbon atoms, substituted or un substituted alkenyl group having 2-20 carbon atoms, substituted or unsubstituted aryl group, or substituted or unsubstituted heteroaryl group, and wherein R⁴ is a cyano group, an unsubstituted alkyl group having 6-20 carbon atoms, a substituted alkyl group having [[1]] 2-20 carbon atoms, a substituted or unsubstituted alicyclic group having 6-20 carbon atoms, a substituted or unsubstituted alkenyl group having 2-20 carbon atoms, substituted or unsubstituted aryl group, or a substituted or unsubstituted heteroaryl group, provided that any two groups selected from R¹, R², R³, R⁴, R⁵, and R⁶ may be bonded together to form a ring which may comprise a hetero atom or may bond together to form a dimer.

14. (Previously Presented) The radiation-sensitive resin compositions according to Claim 18, wherein the photoacid generator (B) is at least one compound selected from the group consisting of onium salt compounds and diazomethane compounds.

15. (Previously Presented) The radiation-sensitive resin composition according to Claim 4, wherein the resin (C-a) protected by an acid dissociable group, insoluble or scarcely soluble in alkali, but becoming soluble in alkali when the acid-dissociable group dissociates further comprises at least one recurring unit of the following formula (10-1) or (10-2),



(10-1)



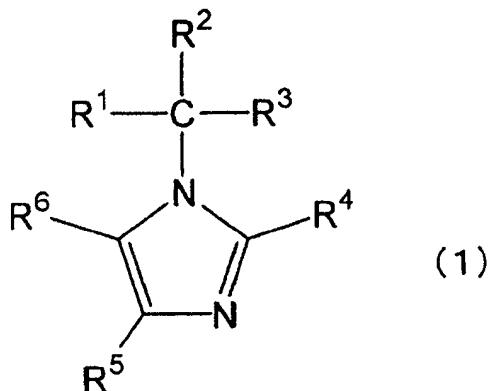
(10-2)

wherein R₁₅ represents a hydrogen atom or a methyl group and R₁₆ represents a 1-branched alkyl group, an alkoxy carbonyl group or a 1-substituted ethyl group.

16. (Currently Amended) A positive tone radiation-sensitive resin composition comprising:

- (A) compound shown by the following formula (1),
- (B) a photoacid generator, and

(C-a) a resin protected by an acid-dissociable group, insoluble or scarcely soluble in alkali, but becoming soluble in alkali when the acid-dissociable group dissociates,



wherein R¹, R², R³, R⁴, R⁵, and R⁶ individually represent a hydrogen atom, cyano group, substituted or unsubstituted alkyl group having 1-20 carbon atoms, substituted or unsubstituted alicyclic group having 3-20 carbon atoms, substituted or un-substituted un-substituted alkenyl group having 2-20 carbon atoms, substituted or unsubstituted aryl group, or substituted or unsubstituted heteroaryl group, provided that any two groups selected from R¹, R², R³, R⁴, R⁵, and R⁶ may be bonded together to form a ring which may comprise a hetero atom or may bond together to form a dimer and further provided that at least one of the R¹, R², R³, R⁴, R⁵, and R⁶ groups is not a hydrogen atom.

17. (Canceled)

18. (Currently Amended) A positive tone radiation-sensitive resin composition comprising:

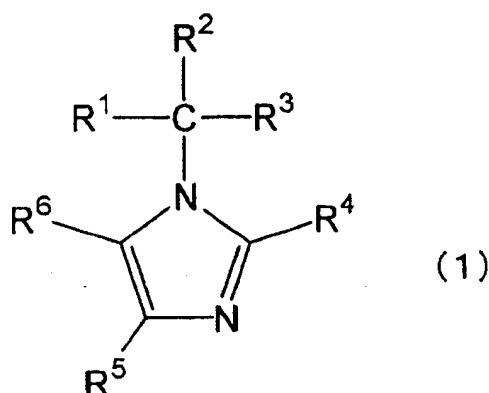
- (A) compound shown by the following formula (1),
- (B) a photoacid generator comprising at least one compound selected from the group consisting of onium salt compounds, sulfone compounds, sulfonimide compounds,

diazomethane compounds, disulfonylmethane compounds, and oximesulfonate compounds,

(C) the following component (C-a) or (C-b),

(C-a) a resin protected by an acid-dissociable group, insoluble or scarcely soluble in alkali, but becoming soluble in alkali when the acid-dissociable group dissociates or

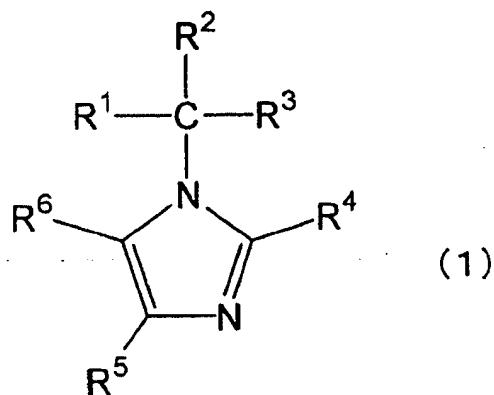
(C-b) an alkali-soluble resin and an alkali solubility controller,



wherein R¹, R², R³, R⁴, R⁵, and R⁶ individually represent a hydrogen atom, cyano group, substituted or unsubstituted alkyl group having 1-20 carbon atoms, substituted or unsubstituted alicyclic group having 3-20 carbon atoms, substituted or un substituted alkenyl group having 2-20 carbon atoms, substituted or unsubstituted aryl group, or substituted or unsubstituted heteroaryl group, provided that any two groups selected from R¹, R², R³, R⁴, R⁵, and R⁶ may be bonded together to form a ring which may comprise a hetero atom or may bond together to form a dimer and further provided that at least one of the R¹, R², R³, R⁴, R⁵, and R⁶ groups is not a hydrogen atom.

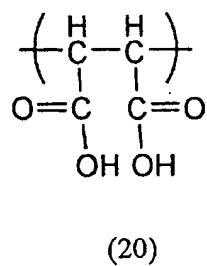
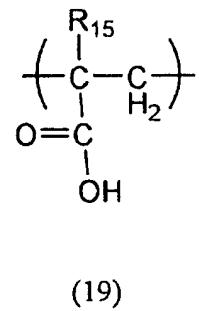
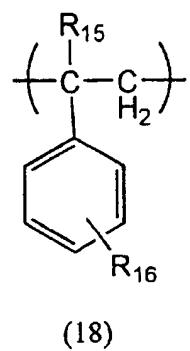
19. (Currently Amended) A positive tone radiation-sensitive resin composition comprising:

(A) compound shown by the following formula (1),



wherein R¹, R², R³, R⁴, R⁵, and R⁶ individually represent a hydrogen atom, cyano group, substituted or unsubstituted alkyl group having 1-20 carbon atoms, substituted or unsubstituted alicyclic group having 3-20 carbon atoms, substituted or un substituted alkenyl group having 2-20 carbon atoms, substituted or unsubstituted aryl group, or substituted or unsubstituted heteroaryl group, provided that any two groups selected from R¹, R², R³, R⁴, R⁵, and R⁶ may be bonded together to form a ring which may comprise a hetero atom or may bond together to form a dimer and further provided that at least one of the R¹, R², R³, R⁴, R⁵, and R⁶ groups is not a hydrogen atom;

- (B) a photoacid generator; and
- (C-b) an alkali-soluble resin and an alkali solubility controller, wherein the alkali soluble resin is an addition polymerization resin comprising one or more recurring units of the following formulae (18) to (20),



wherein R_{15} represents a hydrogen atom or a methyl group, R_{16} represents a hydroxyl group, a carboxyl group, $-R_{17}\text{COOH}$, $-\text{OR}_{17}\text{COOH}$, $\text{OCOR}_{17}\text{COOH}$, or $-\text{COOR}_{17}\text{COOH}$, wherein R_{17} is a group $-(\text{CH}_2)_g-$ wherein g is an integer of 1 to 4.